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Experiment: 32. Write a Python function to create a white image size entered by the user and then create 4 boxes of Black, Blue, Green and Red respectively on each corner of the image. The size of the colored boxes should be 1/10th the size of the image. (HINT: the arrays of ones and zeros can be in more than 2 dimensions).

Code:

```
import cv2

import numpy as np

def b():

    w = int(input("Enter width: "))

    h = int(input("Enter height: "))

    i = np.ones((h, w, 3), dtype=np.uint8) * 255

    bw = w // 10

    bh = h // 10

    # Top-left Black

    i[0:bh, 0:bw] = (0, 0, 0)

    # Top-right Blue

    i[0:bh, w-bw:w] = (255, 0, 0)

    # Bottom-left Green

    i[h-bh:h, 0:bw] = (0, 255, 0)

    # Bottom-right Red

    i[h-bh:h, w-bw:w] = (0, 0, 255)

    cv2.imshow("4 Corner Boxes", i)

    cv2.waitKey(0)

    cv2.destroyAllWindows()

b()
```

Input and Output:

